

Abstract of Disclosure

An optical sensor is characterized by comprising a photoconductive material (1) which generates a carrier (4) inside when irradiated with a light or an electromagnetic wave (3), and carbon nanotube (2), and by sensing the carrier (4), which is generated within the photoconductive material (1) by irradiation of the light or electromagnetic wave (3), through change of electrical conduction of the carbon nanotube (2).